

CLAIMS

I claim:

1. A radiator cover assembly comprising:

5 a frame, wherein the frame is configured to hang from an air-cooled radiator such that the frame is arranged on an air-intake side of the radiator, and wherein the frame comprises a substantially horizontal bottom section extending across the radiator and a pair of substantially vertical opposed side sections extending from respective ends of the bottom section; and

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a screen case, wherein the screen case is configured to be slidably mounted within the frame, and wherein the screen case is configured to accommodate filtering material.

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2. The assembly as recited in claim 1, wherein the screen case is substantially rectangular having approximately the same dimensions as the radiator.

3. The assembly as recited in claim 1, wherein the screen case rests upon the frame's bottom section.

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4. The assembly as recited in claim 1, wherein each frame section comprises a substantially u- shaped channel, wherein each u-shaped channel comprises a base portion and a pair of opposed wall portions attached to and perpendicularly extending one from each end of the base portion, and wherein the frame case is slidably placed

within the frame such that the base portion of each u-shaped channel is adjacent the frame case.

5. The assembly as recited in claim 1, further comprising a pair of mounting brackets, wherein the mounting brackets are arranged at the top of the frame such that the frame hangs from a top of the radiator.

6. The assembly as recited in claim 1, further comprising a pair of frame extensions, wherein the frame extensions are integral with the frame.

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7. The assembly as recited in claim 6, wherein each frame extension comprises at least two frame extension sections, wherein one of the at least two frame extension sections is arranged on the air-intake side of the radiator and wherein another of the at least two frame extension sections is arranged at a top of the radiator.

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8. The assembly as recited in claim 7, further comprising a pair of bracket tabs, wherein each bracket tab comprises at least two bracket-tab sections, wherein one of the at least two bracket-tab sections is arranged on an air-outlet side of the radiator and wherein another of the at least two bracket-tab sections is arranged above the top of the radiator, wherein the one of the at least two bracket-tab sections arranged above the top of the radiator comprises a post extending downward toward the radiator, wherein the at least one frame extension section arranged at the top of the radiator comprises a slot, and wherein the slot is adapted to receive the post such that the

distance between the frame extension section arranged on the air-intake side of the radiator and the bracket tab section arranged on the air-outlet side of the radiator is varied by sliding the post along the slot.

5 9. The assembly as recited in claim 8, further comprising a bracket adjuster, wherein the bracket adjuster extends from an air-intake side of the radiator to the air-outlet side of the radiator, wherein the bracket adjuster is mounted to the frame extension and the bracket tab, and wherein rotation of the bracket adjuster slides the post along the slot.

10 10. The assembly as recited in claim 2, wherein the screen case comprises a case back and a case front, wherein the case back is coupled to the case front via a pivot, and wherein the screen case is opened by rotating about the pivot the case front relative to the case back about the pivot.

15 11. The assembly as recited in claim 10, wherein the case front comprises a front screen, and wherein the case back comprises a back screen.

12. The assembly as recited in claim 11, wherein the front screen has a finer mesh than the back screen.

20 13. The assembly as recited in claim 1, wherein the filtering material comprises a fiberglass filter.

14. The assembly as recited in claim 1, further comprising a support bracket mounted to the bottom section, wherein the bottom section comprises two horizontally slidable sections such that radiators of varying horizontal dimensions may be accommodated, and wherein the support bracket couples the two horizontally slidable sections together.

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15. A radiator cover assembly comprising:

a frame, wherein the frame is configured to hang from an air-cooled radiator such that the frame is arranged on an air-intake side of the radiator; wherein the frame comprises a substantially horizontal bottom section extending across the radiator and a pair of substantially vertical opposed side sections extending from respective ends of the bottom section, wherein each side section comprises a substantially u- shaped channel; and

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a screen case, wherein the screen case is configured to be slidably mounted within the frame such that the screen case rests upon the frame's bottom section, wherein the screen case is substantially rectangular, and wherein the screen case is configured to accommodate filtering material; and

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a pair of frame extensions, wherein the frame extensions are fixedly attached to the frame, and wherein the frame extensions extend along the air-intake side of the

radiator to a top of the radiator such that the frame hangs from the radiator using the frame extensions.

16. The assembly as recited in claim 15, wherein the screen case comprises a case front
5 and a case back, and wherein the distance between the case front and the case back may be varied to allow access to the filtering material.

10 17. The assembly as recited in claim 15, further comprising a pair of bracket tabs, wherein the bracket tabs extend from the air-outlet side of the radiator to a top of the radiator such that they may be coupled with the frame extensions and such that the frame is hung from the radiator using the frame extensions coupled to the bracket tabs.

15 18. The assembly as recited in claim 17, further comprising a bracket adjuster, wherein the bracket adjuster extends from the air-intake side of the radiator to the air-outlet side of the radiator, wherein the bracket adjuster is mounted to one of the frame extensions and its corresponding bracket tab, and wherein the bracket adjuster is adapted to vary the distance between the frame extension and its corresponding bracket.

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19. The assembly as recited in claim 17, wherein the screen case comprises a pivot point, and wherein the case front and case back are coupled together at the pivot point.

20. A method of protecting a radiator, said method comprising:

placing filtering material within a screen case;

5 sliding the screen case into a frame, wherein the frame comprises a pair of frame extensions and wherein the frame extensions are movably coupled to a pair of bracket tabs;

arranging the screen case on an air intake side of a radiator such that the frame extensions
10 and bracket tabs are arranged at a top surface of the radiator; and

moving the bracket tabs with respect to the frame extensions such that the frame hangs
from the radiator.

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